

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (previously presented) Apparatus to adapt a common telephone for operation as a speakerphone, comprising:

a loudspeaker for producing sounds in a local vicinity of said apparatus;

a microphone adaptively attached to a said apparatus; and

an audio module adapted for removable interfacing to a handset jack of a base unit of a telephone to adapt said common telephone for operation as a speakerphone through said loudspeaker and said microphone;

wherein said audio module is portable for transportation between common telephones.

2. (original) The apparatus to adapt a common telephone for operation as a speakerphone according to claim 1, further comprising:

a power supply.

3. (original) The apparatus to adapt a common telephone for operation as a speakerphone according to claim 2, wherein:

said power supply is adapted to include a battery.

4. (original) The apparatus to adapt a common telephone for operation as a speakerphone according to claim 1, wherein:

said apparatus is adapted to be operated in a half-duplex mode.

5. (original) The apparatus to adapt a common telephone for operation as a speakerphone according to claim 1, wherein:

said apparatus is adapted to operate in a full-duplex mode.

6. (original) The apparatus to adapt a common telephone for operation as a speakerphone according to claim 5, further comprising:
an audio echo canceler.

7. (original) The apparatus to adapt a common telephone for operation as a speakerphone according to claim 6, wherein:
said audio echo canceler is an algorithm included in a digital signal processor.

8. (original) The apparatus to adapt a common telephone for operation as a speakerphone according to claim 7, wherein said digital signal processor further includes:
a hybrid echo canceler.

9. (original) The apparatus to adapt a common telephone for operation as a speakerphone according to claim 1, wherein said audio module comprises:
a first codec for converting a signal to and from said handset jack of said base unit of said telephone between analog and digital signals;
an echo canceler; and
a second codec for converting a signal to said loudspeaker and a signal from said microphone into respective analog and digital signals.

10. (original) The apparatus to adapt a common telephone for operation as a speakerphone according to claim 9, wherein said echo canceler comprises:
an audio echo canceler.

11. (original) The apparatus to adapt a common telephone for operation as a speakerphone according to claim 10, wherein said echo canceler further comprises:
a hybrid echo canceler.

12. (original) The apparatus to adapt a common telephone for operation as a speakerphone according to claim 1, wherein:

said audio module is adapted and arranged for direct connection to said base unit of said telephone without use of a telephone line interface.

13. (original) The apparatus to adapt a common telephone for operation as a speakerphone according to claim 1, further comprising:

a telephone line interface.

14. (original) The apparatus to adapt a common telephone for operation as a speakerphone according to claim 1, further comprising:

a switch;

said switch having a first position which interconnects said handset to said handset jack of said telephone; and

said switch having a second position which interconnects said audio module to said handset jack of said telephone.

15. (original) The apparatus to adapt a common telephone for operation as a speakerphone according to claim 1, further comprising:

a voice pager.

16. (previously presented) A method of converting a common telephone into a speakerphone, comprising:

transporting a portable loudspeaker and a portable microphone to said common telephone;

removing a handset connection between a handset and a base of a telephone; and

temporarily connecting said loudspeaker and said microphone to said handset connection on said base to convert said common telephone into a speakerphone.

17. (original) The method of converting a common telephone into a speakerphone according to claim 16, further comprising:

amplifying an output of said handset connection on said base.

18. (original) The method of converting a common telephone into a speakerphone according to claim 17, wherein:

said amplifying is powered by battery.

19. (original) The method of converting a common telephone into a speakerphone according to claim 16, further comprising:

disconnecting said loudspeaker and said microphone from said handset connection on said base; and

restoring said handset connection between said handset and said base of telephone.

20. (previously presented) Apparatus for converting a common telephone into a speakerphone, comprising:

means for removing a handset connection between a handset and a base of said telephone; and

means for temporarily connecting a loudspeaker and a microphone to said handset connection on said base to convert said common telephone into a speakerphone;

wherein said loudspeaker and said microphone are portable for transportation between common telephones.

21. (original) The apparatus for converting a common telephone into a speakerphone according to claim 20, further comprising:

means for amplifying an output of said handset connection on said base.

22. (original) The apparatus for converting a common telephone into a speakerphone according to claim 21, wherein:

said means for amplifying is powered by battery.

23. (original) The apparatus for converting a common telephone into a speakerphone according to claim 20, further comprising:

means for disconnecting said loudspeaker and said microphone from said handset connection on said base; and

means for restoring said handset connection between said handset and said base of said telephone.

24. (original) A communication device, comprising:

a voice pager including a speaker;

a microphone;

an external handset cord adapter; and

an audio echo canceler adapted for operation when said communication device is connected to a telephone through said external handset cord adapter;

said communication device having a voice paging mode of operation and a speakerphone mode of operation.

25. (original) The communication device according to claim 24, wherein:

said voice pager including said speaker is adapted for operation when said communication device is in said voice paging mode of operation; and

said microphone, said audio echo canceler, and said speaker of said voice pager are adapted for operation when said communication device is in said speakerphone mode of operation.